

CLAIMS

What is claimed is:

1. A method of treating the symptoms of diarrhea in a mammals comprising administering a pharmacologically effective dose of a potassium salt, a sodium salt,
5 a bicarbonate, a sugar, and botanical component selected from the group consisting of; an extract of from the plant material of the *Croton* species and an aextract of the plant material from the *Uncaria* species.
- 10 2. The method in claim 1 wherein the botanical component is a preparation of the latex of the *Croton* species containing less than about 10% water.
3. The method in claim 1 wherein the botanical component is an extract of the *Croton* species in a final concentration of about 20 to 300 micrograms per milliliter.
- 15 4. The method in claim 1 wherein the sodium salt is a chloride in a final concentration of about 1.0 to 5.0 milligrams per milliliter
- 20 5. The method in claim 1 wherein the potassium salt is a chloride in a final concentration of about 0.5 to 3.0 milligrams per milliliter.
6. The method in claim 1 wherein the bicarbonate is a potassium bicarbonate in
25 final concentration of about 1.0 to 5.0 milligrams per milliliter.
7. The method in claim 1 wherein the sugar is selected from the group consisting of; sucrose and dextrose, in final concentrations of about 5.0 to 30.0 milligrams per milliliter.

8. The method in claim 1 wherein the botanical component is selected from the group consisting of an extract from the *Uncaria* species, in a final concentration of about 10 to 400 micrograms per milliliter.

9. The method in claim 1 wherein the pharmacologically effective dose further comprises an agent selected from the group consisting of, a suspending agent, a coloring agent, a flavoring agent, and a sweetening agent.

10. The method in claim 1 wherein the pharmacologically effective dose comprises about 20 to 300 milligrams of extract from the *Croton* species, about 10 to 30 grams of the sugar, about 60 to 120 milliequivalents sodium, about 10 to 30 milliequivalents potassium and about 10 to 50 milliequivalents bicarbonate per liter fluid.

11. The method in claim 1 wherein the pharmacologically effective dose is adminsterable in a form selected from the group consisting of, a liquid, a liquid concentrate, a liquid gelcap, a tablet, an effervescent, a capsule, a powder, a dietary supplement, a food, or a food additive.

12. The method in claim 1 wherein the pharmacologically effective dose includes a combination of Croton species material, sodium, potassium, bicarbonate and sugar which is effective in ameliorating diarrhea and oral rehydration.

13. The method in claim 1 wherein the pharmacologically effective dose includes *Croton* species extract with a selective cytotoxicity to cancerous cells.

14. The method in claim 1 wherein the pharmacologically effective dose includes *Croton* species material that ameliorates emesis and diarrhea.

5 **15.** The method in claim 1 wherein the pharmacologically effective dose includes *Croton* species material that inhibits the activation of sensory afferent nerves.

16. The method in claim 1 wherein the pharmacologically effective dose includes *Uncaria* species material that inhibits TNF α formation and inflammation.

10 **17.** The method in claim 1 wherein the pharmacologically effective dose comprises of botanical materials and nutrients which reduces emesis, diarrhea and fluid loss while replacing nutrients and fluids.